

GENERAL NOTES

1. ALL PROPOSED LIGHTING UNITS SHALL BE LABELED ACCORDING TO THE STANDARD SPECIFICATIONS, WITH POLE NUMBERS ATTACHED WITH STAINLESS STEEL BANDING. LIGHTING UNIT NUMBERING SHALL BE AS DIRECTED BY THE ENGINEER.
2. POLE NUMBERS SHOWN ON PERMANENT LIGHTING PLANS REFLECT THE OLD AS-BUILT LIGHTING PLANS.
3. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ELECTRICAL WORK WITH OTHER TRADES.
4. PROPOSED LIGHT POLES SHALL BE INSTALLED 20 FEET FROM EDGE OF PAVEMENT OR 5 FEET BEHIND GUARDRAIL AS APPLICABLE. LIGHT POLE FOUNDATIONS SHALL BE INSTALLED PLUMB AND FLUSH WITH THE PROPOSED GRADE AND SHALL MEET THE HEIGHT REQUIREMENTS OF ARTICLE 836.03 OF THE STANDARD SPECIFICATIONS.
5. LIGHT POLES MOUNTED ON THE BRIDGE PARAPET WALL SHALL BE PROVIDED WITH VIBRATION ISOLATION MOUNTING PADS ACCORDING TO ARTICLE 1069.07 OF THE STANDARD SPECIFICATIONS. A STAINLESS STEEL SCREEN SHALL BE INSTALLED TO SEAL THE OPENING BELOW THE POLE BASE FROM RODENT ENTRY.
6. ALL STEEL PARTS AND FITTINGS PLACED ON THE BRIDGE SHALL BE STAINLESS STEEL, INCLUDING NUTS, BOLTS, AND WASHERS (UNLESS NOTED OTHERWISE). CONDUIT CLAMPS SHALL BE STAINLESS STEEL OR ENGINEER APPROVED EQUAL.
7. CONDUIT ON THE BRIDGE AND WING WALLS SHALL BE SUPPORTED AT INTERVALS NOT TO EXCEED 6 FT.
8. CONDUIT EXPANSION/DEFLECTION FITTINGS SHALL BE PROVIDED AT ALL BRIDGE EXPANSION JOINTS. LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT SHALL BE USED TO EXIT PARAPET WALLS ON BRIDGES WITH INTEGRAL ABUTMENTS WHERE CONDUIT PENETRATES THE GROUND.
9. THE CONTRACTOR SHALL NOT DRILL INTO OR WELD METAL PARTS ONTO BRIDGE STRUCTURAL MEMBERS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE ALL EXISTING CABLE RUNS PRIOR TO THE START OF CONSTRUCTION. CABLE LOCATIONS SHALL BE SPRAY PAINTED AND/OR STAKED AS DIRECTED BY THE ENGINEER IN ORDER TO MINIMIZE DAMAGE TO THE EXISTING CABLES DURING GRADING OPERATIONS. THE CONTRACTOR SHALL MARK UP AND MAINTAIN AN AS-BUILT DRAWING OF THE CABLE RUNS THROUGHOUT THE INTERSECTION. THE CONTRACTOR SHALL REPAINT AND REESTABLISH UNDERGROUND CABLE MARKINGS THROUGHOUT THE INTERSECTION AS DIRECTED BY THE ENGINEER TO MINIMIZE DAMAGE TO CABLES THROUGHOUT THE DURATION OF THE PROJECT.
11. EXISTING LIGHTING UNITS SHALL REMAIN IN PLACE UNLESS NOTED OTHERWISE. EXISTING LIGHTING UNITS TO REMAIN SHALL BE FULLY OPERATIONAL DURING AND AFTER CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE EXISTING LIGHTING UNITS TO REMAIN WORK IN CONJUNCTION WITH THE TEMPORARY AND PROPOSED LIGHTING UNITS, AS APPLICABLE, AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.
12. ALL NECESSARY MODIFICATIONS TO EXISTING TRAFFIC SIGNAL CONTROLLER TO FEED THE PROPOSED 400W HPS LUMINAIRES, INCLUDING ALL LABOR, HARDWARE, AND APPURTENANCES SHALL BE INCLUDED IN THE TRAFFIC SIGNAL WORK.

TEMPORARY LIGHTING NOTES

1. ALL EXISTING LIGHT POLES SHALL OPERATE FROM DUSK TO DAWN DAILY FOR THE DURATION OF THIS PROJECT. REMOVE SPECIFIC LIGHT POLES DURING SPECIFIC STAGES OF CONSTRUCTION AS DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE LIGHTING SYSTEM UNTIL IDOT HAS TAKEN ACCEPTANCE OF THE SYSTEM. ALL EXISTING CIRCUITS AND CABLES TO THE LIGHT POLES SHALL BE MAINTAINED AS NEEDED AND THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.
3. THE TEMPORARY LIGHTING UNITS, INCLUDING WOOD POLES AND AERIAL CABLE, SHALL BE REMOVED ONCE THE PROPOSED LIGHTING IS INSTALLED AND THE TEMPORARY LIGHTING IS NO LONGER NECESSARY. THE WOOD POLES, AERIAL CABLE, AND ALL ASSOCIATED HARDWARE SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF SITE AT THE CONTRACTOR'S EXPENSE.
4. THE MINIMUM HEIGHT OF AERIAL CABLE SPANS SHALL BE 20 FEET ABOVE THE TOP OF PAVEMENT OR GRADE. ANY AERIAL CABLE SPANS SAGGING BELOW 20 FEET SHALL BE ADJUSTED AT NO ADDITIONAL COST.
5. ALL RELOCATIONS AND ADJUSTMENTS TO TEMPORARY FACILITIES, INCLUDING EXISTING LIGHTING UNITS TO SERVE AS TEMPORARY LIGHTING, OR RECONNECTIONS OF THE TEMPORARY AERIAL CABLE DUE TO STAGING OR CONSTRUCTION SHALL BE MADE AT NO ADDITIONAL COST.
6. POLES AND FACILITIES THAT ARE PERMANENT LIGHTING UNITS AND TO ALSO FUNCTION AS TEMPORARY LIGHTING SHALL BE CAREFULLY PROTECTED FROM DAMAGE. ANY DAMAGE SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE

GIVEN CONDITIONS	
ROADWAY DATA:	Pavement Width <u>36 FT</u>
	Number Of Lanes <u>3</u>
	Median Width <u>3 FT</u>
	IES Surface Classification <u>R3</u>
	Q-Zero Value <u>.07</u>
LIGHT POLE DATA:	Mounting Height <u>40 FT</u>
	Mast Arm Length <u>15 FT</u>
	Pole Set-Back From Edge Of Pavement <u>20 FT</u>
LUMINAIRE DATA:	Lamp Type <u>HPS</u>
	Lamp Lumens <u>28000</u>
	IES Vertical Distribution <u>M</u>
	IES Control Of Distribution <u>FC</u>
	IES Lateral Distribution <u>3</u>
	Total Light Loss Factor <u>0.7</u>
LAYOUT DATA:	Spacing <u>220 FT</u>
	Configuration <u>Staggered</u>
	Luminaire Overhang Over Edge Of Pavement Lane <u>-5 FT</u>

NOTE: Variations from the above specified IES distribution pattern may be requested and acceptance of variations will be subject to review by the Engineer based on how well the performance requirements are met.

PERFORMANCE REQUIREMENTS	
NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.	
ILLUMINATION:	Average Horizontal Illumination, (E_{Ave}) <u>9.0 Lux</u>
	Uniformity Ratio, (E_{Ave}/E_{Min}) <u>3.0</u>
LUMINANCE:	Average Luminance: (L_{Ave}) <u>0.6 Cd/m²</u>
	Uniformity Ratios: (L_{Ave}/L_{Min}) <u>3.5</u>
	(L_{Max}/L_{Min}) <u>6.0</u>
	Maximum Veiling Luminance Ratio: (L_v/L_{Ave}) <u>0.3</u>

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6578	(1-R)RS, (1-VC)BR	PEORIA	142	55A
CONTRACT # 68092				

